The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/29/2011

Michael Murawski
Assistant District Attorney, Suffolk County

Dear ADA Murawski,

Enclosed is the information you requested in regards to Commonwealth vs. [redacted]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Lisa Glazer.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [redacted]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [redacted]

Lisa Glazer was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:
University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:
2003 – present
Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
*Maintenance and repairs of all analytical instruments.
*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
*Notary Public.
*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003
QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
*Writing, revising and reviewing Standard Operating Procedures (SOPs).
*Trained and supervised new chemists and interns for the department.
*Routine QC testing of products for the FDA.
*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
*Complete testing of chemicals for Vendor Validation Project for the FDA.
*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:
Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP training with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS trainings with Agilent Technologies and Restek.
HPLC and LC/MS/MS trainings with Waters Cooperation.
FTIR training with Spectros.
TOC training with MBL and Sievers.

Association:
American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 – May 2007)
University of Connecticut Chemistry Department - Storrs, CT

- Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
- Set-up experiment demonstrations
- Properly disposed of hazardous waste from the experiments
- Made sure labs were being conducted safely
- Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)
CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT

- Worked on a Pyrolysis Gas Chromatography project
- Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

BostonPolice DEPARTMENT

DRUG RECEIPT

CC # [redacted]

BOOK # 67

PAGE # 20

DESTRUCTION #

District/Unit D-4 DCU

Name & Rank of Arresting Officer Sgt Det Keenan ID# 10652

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[redacted]		Roxbury	MA

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY GROSS WEIGHT	LAB USE ONLY ANALYSIS NUMBER
White substance (unk substance)	loose rock/pieces	3.52g	[redacted]
White rock (crack cocaine)	1 loose rock	4.08g	

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil Wilk ID# 11064

Received by ECO Date 2-9-11

ECU Control #

BPD Form 0038-BIS-0907 (prev. 1753)

Folk_OIG_PRR_049456

No. [redacted] Date Analyzed: 04-08-11

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

Def: [redacted]

Amount: Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 02/09/2011 No. Analyzed:

Gross Wt.: 4.02 Net Weight:

Tests: 7AAG

Prelim: unknown Findings: 1A80 negative

DRUG POWDER ANALYSIS FORM

SAMPLE # [redacted] AGENCY Boston ANALYST JTG

No. of samples tested: _____ Evidence Wt. ✓

PHYSICAL DESCRIPTION: Signed + Sealed — loose white rock-like substance in evidence bag

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Net Wt: 0.0400g

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (-) ⊖ w/acid (weak)

Marquis ⊖

Froehde's ⊖

Mecke's ⊖

Microcrystalline Tests

Gold Chloride ⊖

TLTA (-) ⊖ w/acid

OTHER TESTS

GC: ⊖ peak b4 coke

PRELIMINARY TEST RESULTS

RESULTS Unknown

DATE 4/6/11

GC/MS CONFIRMATORY TEST

RESULTS Negative

MS OPERATOR [redacted]

DATE 4/8/11

Revised 7/2005

Sequence: C:\CHEM32\1\SEQUENCE\DEFAULT.S

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
26	Vial 26	[redacted]	GENSCAN	1	Sample	1
27	Vial 27		GENSCAN	1	Sample	1
28	Vial 28		GENSCAN	1	Sample	1
29	Vial 29		GENSCAN	1	Sample	1
30	Vial 30		GENSCAN	1	Sample	1
31	Vial 31		GENSCAN	1	Sample	1

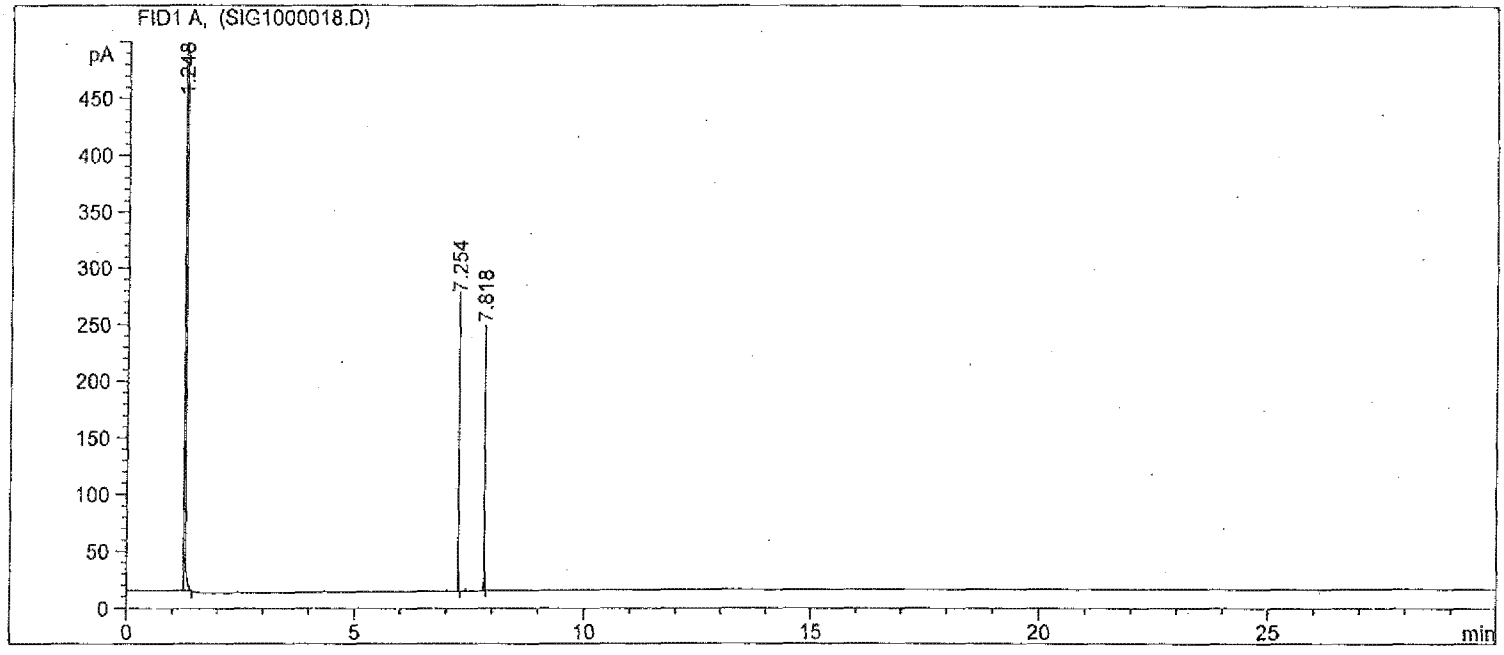
Sequence Table (Back Injector):

No entries - empty table!

Folk_OIG_PRR_049459

Data File C:\CHEM32\1\DATA\SIG1000018.D
Sample Name: COKE/COD STD

Acq. Operator	:	Seq. Line	: 18
Acq. Instrument	: Drug Lab GC#3	Location	: Vial 18
Injection Date	: 4/5/2011 6:51:56 PM	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\CHEM32\1\SEQUENCE\DEFAULT.S		
Method	: C:\CHEM32\1\METHODS\GENSCAN.M		
Last changed	: 3/9/2011 1:42:02 PM		



Area Percent Report

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

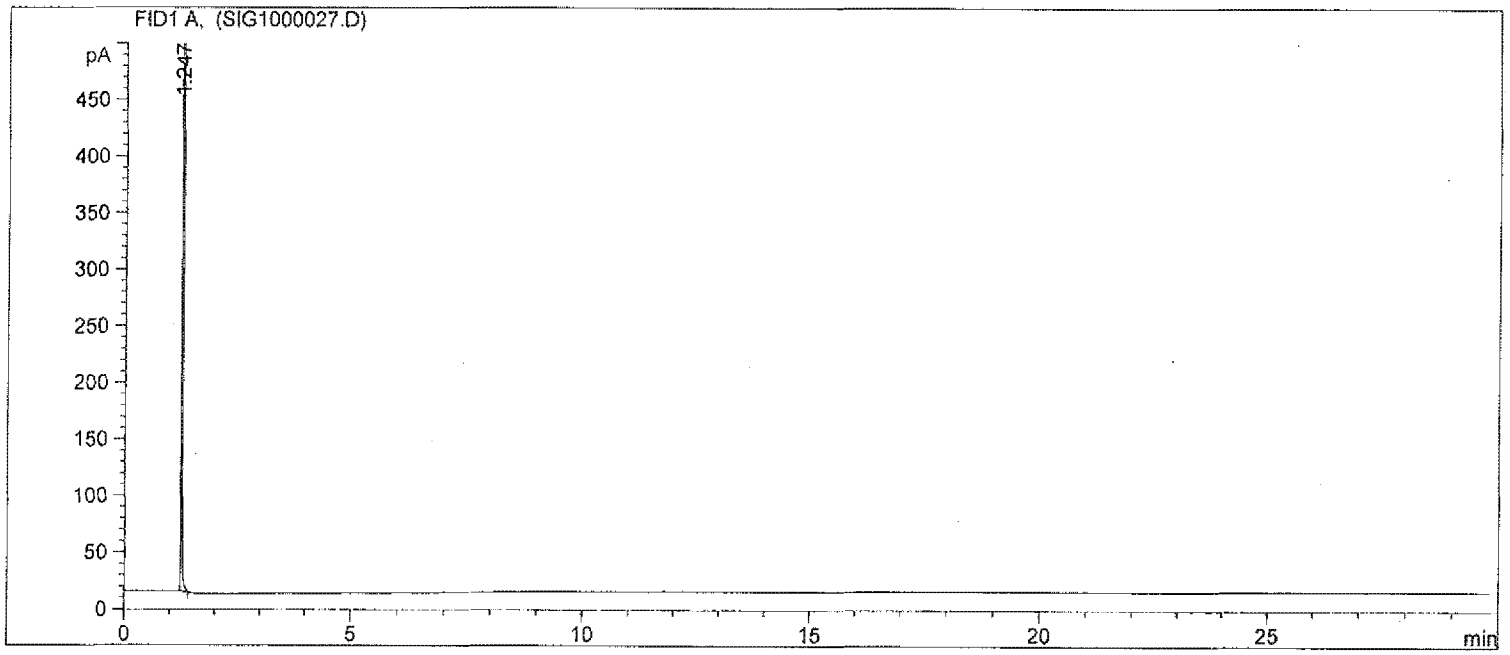
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.248	1	BB S	8.22620e4	7.60402e4	99.53666
2	7.254	1	BB	194.21471	258.59198	0.23500
3	7.818	1	BB	188.70842	231.08804	0.22834
Totals :				8.26449e4	7.65299e4	

*** End of Report ***

Folk_OIG_PRR_049460

Data File C:\CHEM32\1\DATA\SIG1000027.D
Sample Name: BLANK

```
Acq. Operator    :                                    Seq. Line :  27
Acq. Instrument  : Drug Lab GC#3                      Location  : Vial 27
Injection Date   : 4/6/2011 12:01:36 AM                   Inj   :  1
                                                   Inj Volume   : 1 µl
Sequence File    : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method           : C:\CHEM32\1\METHODS\GENSCAN.M
Last changed     : 3/9/2011 1:42:02 PM
```



Area Percent Report

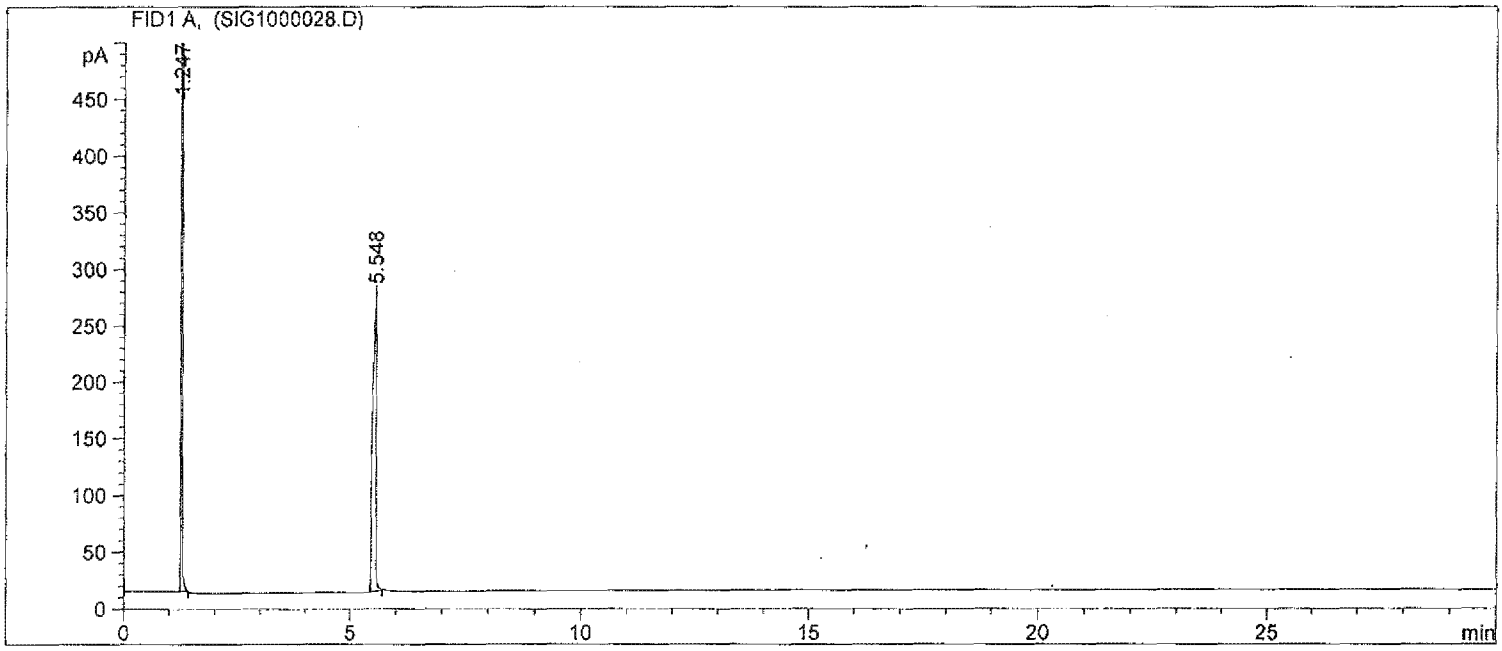
```
Sorted By             :      Retention Time
Multiplier:                   :      1.0000
Dilution:                     :      1.0000
Sample Amount:                :     1.00000  [ng/ul]    (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type    Area       Height      Area
  #   [min]             [pA*s]      [pA]         %
----|-------|---|----|----------|-----------|--------|
   1   1.247  1   BB S 8.14698e4  8.62741e4  1.000e2

Totals :               8.14698e4  8.62741e4
```

*** End of Report ***

Folk_OIG_PRR_049461

Data File C:\CHEM32\1\DATA\SIG1000028.D
Sample Name: [redacted]

Acq. Operator	:	Seq. Line	: 28
Acq. Instrument	: Drug Lab GC#3	Location	: Vial 28
Injection Date	: 4/6/2011 12:35:56 AM	Inj	: 1
		Inj Volume	: 1 µl
Sequence File	: C:\CHEM32\1\SEQUENCE\DEFAULT.S		
Method	: C:\CHEM32\1\METHODS\GENSCAN.M		
Last changed	: 3/9/2011 1:42:02 PM		



Area Percent Report

Sorted By : Retention Time
Multiplier: : 1.0000
Dilution: : 1.0000
Sample Amount: : 1.00000 [ng/ul] (not used in calc.)
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

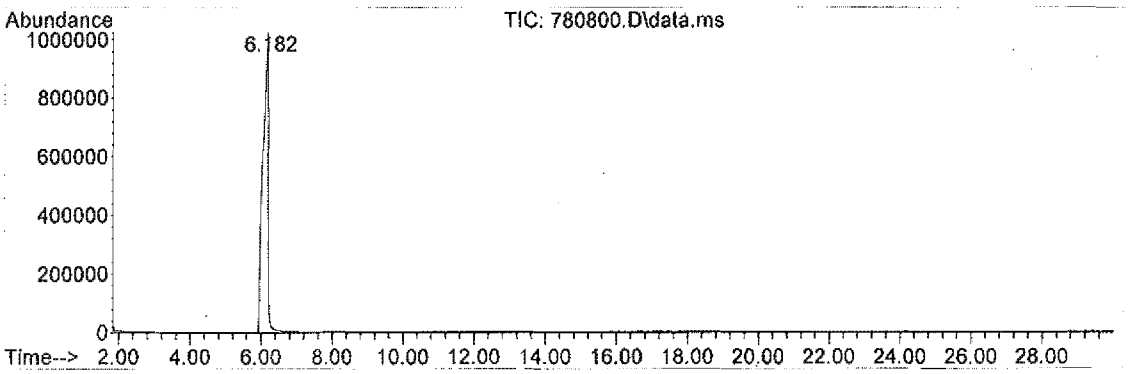
Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.247	1	BB S	8.27595e4	7.63405e4	98.35057
2	5.548	1	BB	1387.95215	266.39771	1.64943
Totals :				8.41474e4	7.66069e4	

*** End of Report ***

Folk_OIG_PRR_049462

Area Percent / Library Search Report

Information from Data File:
File Name : J:\04_06_11\780800.D
Operator : LAG
Date Acquired : 7 Apr 2011 12:03
Sample Name : [redacted]
Submitted by : LAG
Vial Number : 100
AcquisitionMeth: SCREEN.M
Integrator : RTE



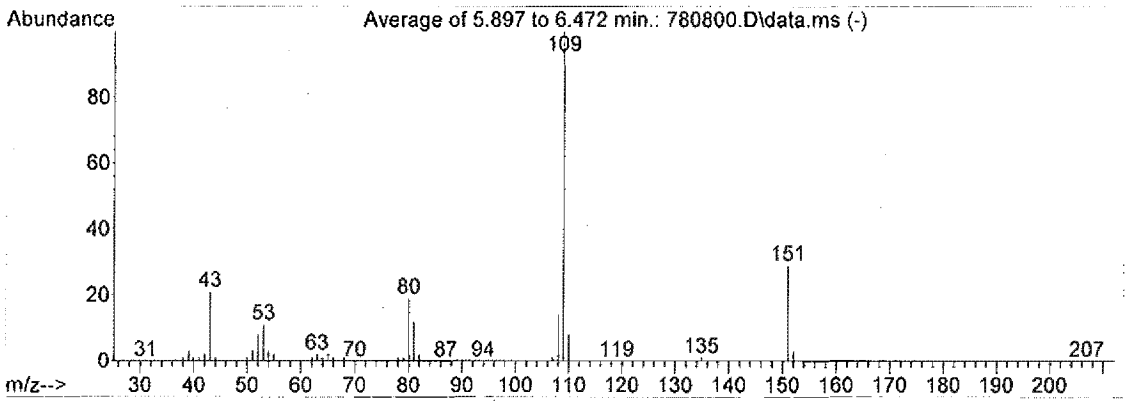
Ret. Time	Area	Area %	Ratio %
6.182	10646570	100.00	100.00

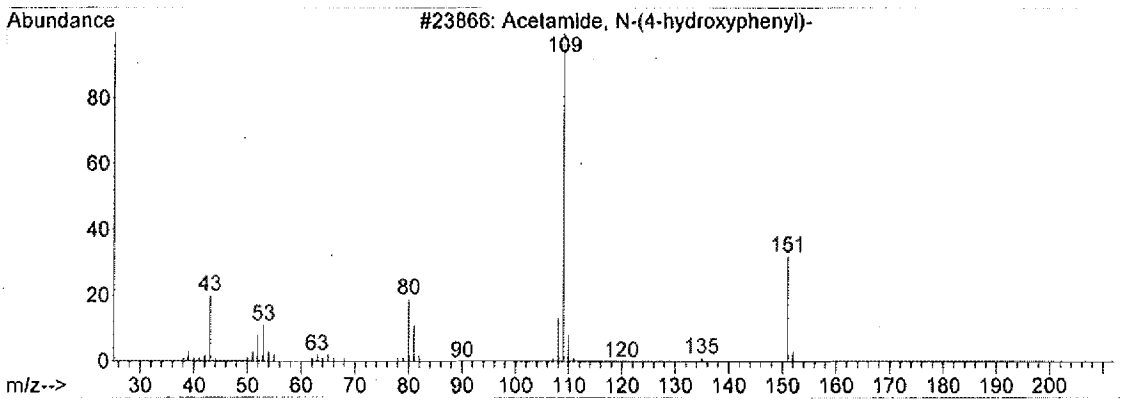
Folk_OIG_PRR_049463

Information from Data File:
File Name : J:\04_06_11\780800.D
Operator : LAG
Date Acquired : 7 Apr 2011 12:03
Sample Name : [redacted]
Submitted by : LAG
Vial Number : 100
AcquisitionMeth: SCREEN.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

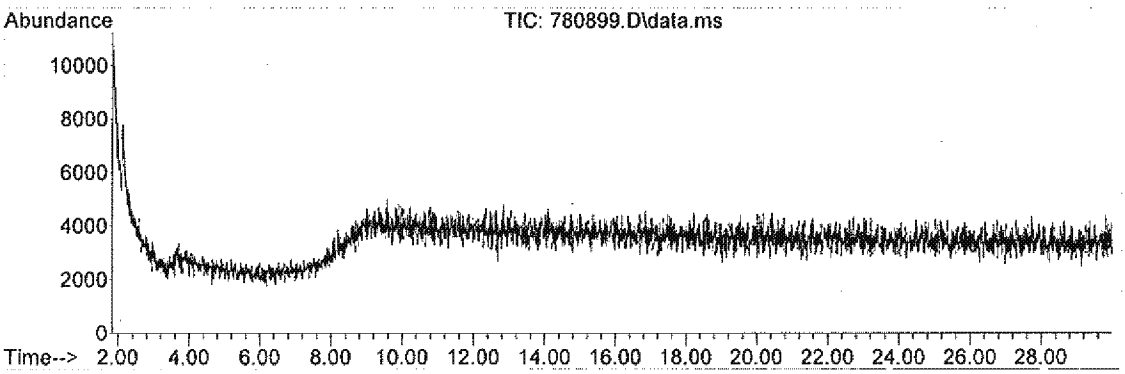
PK#	RT	Library/ID	CAS#	Qual
1	6.18	C:\Database\NIST05a.L		
		Acetamide, N-(4-hydroxyphenyl)-	000103-90-2	97
		Acetamide, N-(4-hydroxyphenyl)-	000103-90-2	95
		Acetamide, N-(4-hydroxyphenyl)-	000103-90-2	94





Folk_OIG_PRR_049464

Information from Data File:
File Name : J:\04_06_11\780899.D
Operator : LAG
Date Acquired : 7 Apr 2011 11:29
Sample Name : BLANK
Submitted by : LAG
Vial Number : 2
AcquisitionMeth: SCREEN.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Folk_OIG_PRR_049465